

PT-AMFMXM

Radio Tuner

1 Introduction

The PT-AMFMXM is three radios in one: AM, FM, and XM. Listen to AM or FM in high quality while simultaneously enjoying commercial free XM radio in a completely different room. Crestron® radio technology delivers easy control and a crystal clear signal in an easy to integrate package.

Intelligent Control

- Station, artist and song information is displayed on any Prodigy® touchpanel
- Select favorite stations from any touchpanel around the house

Versatile Radio

Multiple radios in one unit.

- Listen to AM or FM in one room while listening to XM in another
- Station presets provide instant access to favorite programs

Expands Any System

Whole home audio distribution made easy.

- Add the PT-AMFMXM to a Prodigy system whenever budget allows
- Connect to an existing AV receiver or a PAMP-4X100 Processor Amplifier

XM Satellite Radio

XM offers more than 170 satellite radio channels of commercial-free music and premier sports, news, talk, and entertainment. XM is broadcast via satellites to millions of listeners across the continental United States. XM subscribers listen to XM on satellite radio receivers for the car, home, and portable use. More information about XM is available online at www.xmradio.com.

Listeners can subscribe by visiting XM on the Web at www.xmradio.com or by calling XM's Listener Care at (800) 967-2346. Customers should have their Radio ID and credit card ready. The Radio ID can be found by selecting channel 0 on the radio.

2 Connection and Control

BAND SELECTION

Press **AM**, **FM**, or **XM** to select radio band

MENU

Press to display options for selected tuner

▼ and ▲

Press to tune or scroll through menu options

NET LED

Indicates communication with PMC2

RESET BUTTON

Press to reset PT-AMFMXM

DISP

Press **DISP** to display information about the tuned station

LCD DISPLAY

Displays information on tuned station and menu options

ENTER

Press to confirm displayed selection

AUDIO OUT

CONNECTS TO:
Unbalanced stereo line level audio outputs connect to PAMP-4X100 or other amplifiers

G

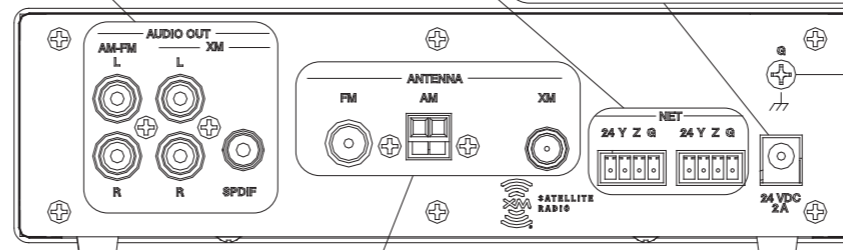
CONNECTS TO:
Ground Lug on PAMP-4X100 or AV Receiver

NET

CONNECTS TO:
Other Prodigy components

PWR

CONNECTS TO:
AC power via included adapter



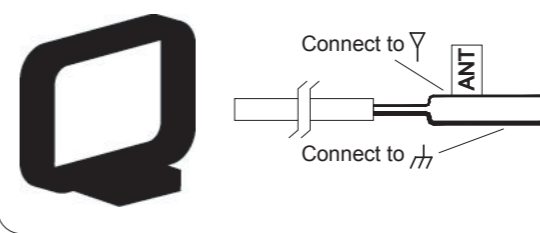
ANTENNA (FM, AM, and XM)

CONNECTS TO:
Included antennae.

FM



AM



XM



Notes on Antenna Orientation:

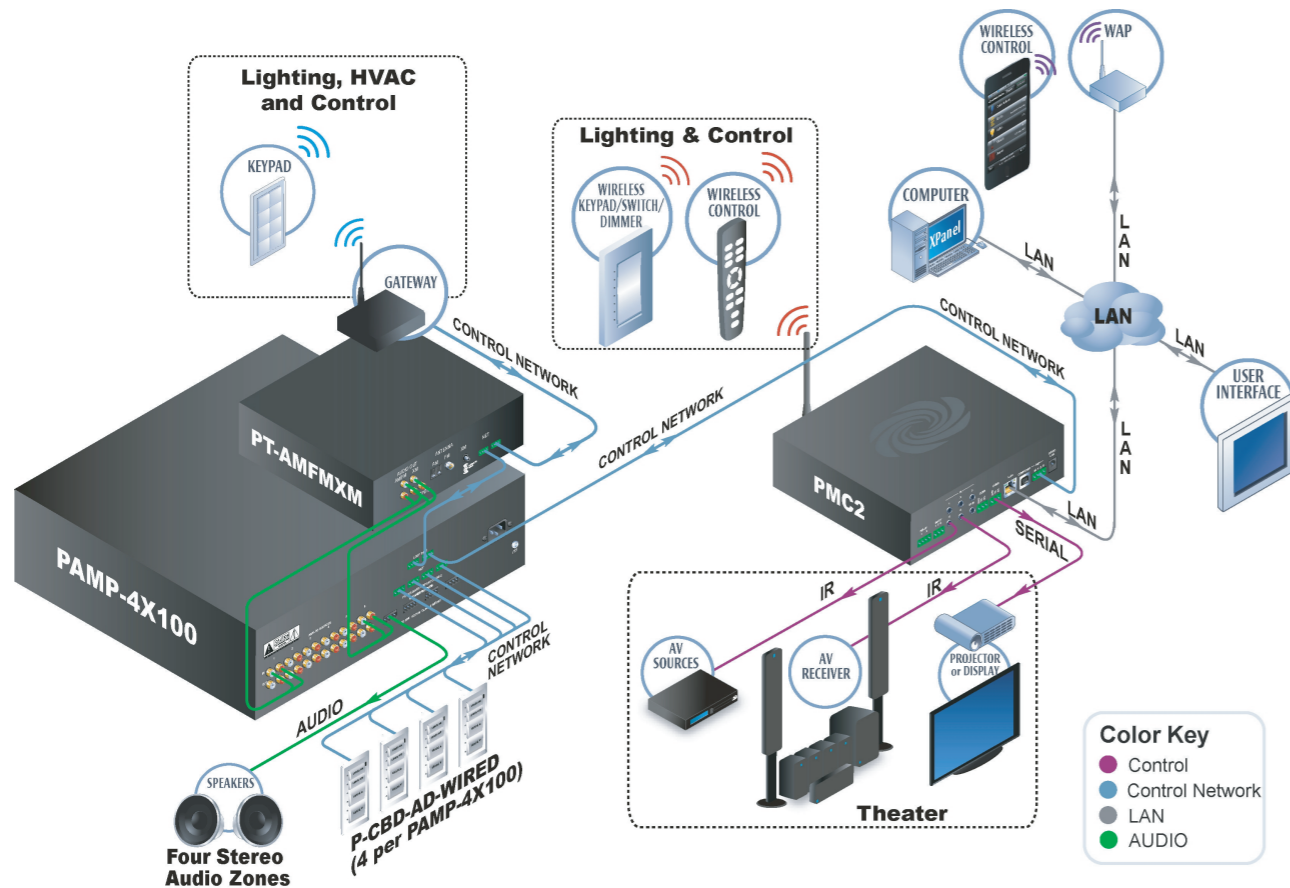
AM: Orient the AM loop antenna so that the flat surface of the loop antenna faces the metropolitan area originating the broadcast signals. This is particularly necessary when signals are weak. If you are not aware of the source or directions of the signals to which you will listen, simply rotate the loop antenna in clear space for maximum signal strength. The supplied antenna has a folding stand that allows the antenna to stand on a flat surface.

FM: The recommended FM antenna is an outdoor type available in electronics stores. Use the included FM antenna if an outdoor antenna cannot be used. The included antenna may require reorientation if the signal is weak. Best results can occur if the length of the antenna faces the metropolitan area from which the desired FM signal originates. The supplied antenna has a fitting at its end that will enable you to fasten it in place.

XM: Aim the antenna toward the southern sky, where the satellite is located. If the antenna is placed outdoors, it should be in an area where there are no obstacles within 20 to 60 degrees of elevation facing the southern sky. The antenna should be placed on a flat surface that is parallel to the ground. If the antenna is placed where obstacles such as buildings or trees are in the path to the satellite, the antenna may not receive radio waves from the satellite. Certain areas provide satellite radio ground repeaters that retransmit satellite radio signals. Extension cables are available from Crestron.

3 Application

The following diagram illustrates a PT-AMFMXM in a system with other Prodigy devices.



NOTE: Use the Prodigy Composer software (available for download from www.crestron.com/prodigycomposer) to configure your Prodigy system. A Prodigy Network Setup Wizard is included with Prodigy Composer. Before a PT-AMFMXM can be used, it must first be integrated into a Prodigy system. Launch the Prodigy Network Setup Wizard and follow the steps in the process. When the PT-AMFMXM is recognized, the front panel will instruct you to push a button. Press any button on the front panel of the PT-AMFMXM to complete the process.

4 Tuning/Presets

To tune and store a preset station:

1. Select a tuner by pressing **AM**, **FM** or **XM**.
2. Press **▼** or **▲** to tune a station.
3. Press **MENU**.
4. Press **▼** or **▲** until **Presets** is displayed.
5. Press **ENTER** to display the list of presets.
6. Press **▼** or **▲** until the desired preset location is displayed.
7. Press and hold **ENTER** for three seconds until the **Saving Preset** message is displayed.

5 Problem Solving

Troubleshooting

The following table provides corrective action for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative.

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
NET LED does not illuminate.	Improper Net ID.	Verify Net ID matches Net ID in the Prodigy Composer.
Tuner muted.	Antenna not connected or not connected properly.	Connect antenna according to instructions.
Receiving only XM Channels 0 and 1.	The XM Tuner is not activated.	Follow instructions on page 1.
Noisy AM/FM reception.	Improper antenna connection.	Verify proper antenna connection.
AM/FM scan does not operate.	Station signal strength too weak.	Check antenna placement and orientation for good signal strength.
Hum or buzz in audio.	Grounding problem.	Either connect or remove chassis ground (G) connection.

Further Inquiries

If you cannot locate specific information or have questions after reviewing this guide, please take advantage of Crestron's award winning customer service team by calling Crestron at 1-888-CRESTRON [1-888-273-7876].

You can also log onto the online help section of the Crestron website (www.crestron.com/onlinehelp) to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

Future Updates

As Crestron improves functions, adds new features and extends the capabilities of the PT-AMFMXM, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Crestron website periodically for manual update availability and its relevance. Updates are identified as an "Addendum" in the Download column.

Notes on XM Radio

It is prohibited to copy, decompile, disassemble, reverse engineer, or manipulate any technology incorporated in receivers compatible with the XM Satellite Radio system. Furthermore, the AMBE® voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc. The user of this or any other software contained in an XM Radio is explicitly prohibited from attempting to copy, decompile, reverse engineer, or disassemble the object code, or in any other way convert the object code into human-readable form. The software is licensed solely for use within this product.

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